

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An integrated control system for vehicle control, comprising at least three subsystems (~~PT, ECB, STR~~) operating autonomously and in parallel, dispensable of a hierarchical system for a level higher than said subsystem, wherein said subsystem (~~PT, ECB, STR~~) comprises a sensing unit for sensing information related to an operation request with respect to at least one of said subsystems (~~PT, ECB, STR~~), a connection unit for connection with another subsystem other than its own subsystem, and a generation unit for generating information related to an individual control target of its own subsystem based on said sensed information related to an operation request.

2. (Original) The vehicle integrated control system according to claim 1, wherein said generation unit includes an arbitration unit for arbitrating a plurality of information to generate information related to an individual control target of its own subsystem, based on said sensed information related to an operation request.

3. (Currently Amended) An integrated control system for vehicle control, comprising at least three subsystems (~~PT, ECB, STR~~) operating autonomously and in parallel, dispensable of a hierarchical system for a level higher than said subsystem, wherein said subsystem (~~PT, ECB, STR~~) comprises

a sensing unit for sensing information related to an operation request with respect to at least one of said subsystems ~~(PT, ECB, STR)~~,

a connection unit for connection with another system other than its own subsystem, and

an arbitration unit for arbitrating a plurality of information to generate information related to an individual control target of its own subsystem, based on said sensed information related to an operation request,

said arbitration unit in said subsystem being connected between each of said subsystem, and

when arbitration information arbitrated at each said subsystem is transmitted to the arbitration unit of another subsystem, control is executed at said another subsystem based on said transmitted arbitration information.

4. (Currently Amended) The vehicle integrated control system according to claim 2 ~~or~~ 3, wherein said arbitration unit determines priority of information.

5. (Currently Amended) The vehicle integrated control system according to claim 2 ~~or~~ 3, wherein said arbitration unit corrects information.

6. (Currently Amended) The vehicle integrated control system according to claim 2 ~~or~~ 3, wherein said arbitration unit processes information.

7. (Currently Amended) The vehicle integrated control system according to ~~any of~~ ~~claims 1-3~~ claim 1, wherein said subsystem comprises a driving system control subsystem

~~(PT)~~, a brake system control subsystem ~~(ECB)~~, and a steering system control subsystem ~~(STR)~~.

8. (Original) The vehicle integrated control system according to claim 7, wherein said subsystem further comprises an automatic cruise subsystem controlling said vehicle for automatic cruising or pseudo automatic cruising of said vehicle.

9. (Original) The vehicle integrated control system according to claim 7, wherein said subsystem further comprises a dynamic stabilization subsystem controlling said vehicle so as to stabilize a behavior state of said vehicle.

10. (Currently Amended) An integrated control system for vehicle control, comprising at least three subsystems ~~(PT, ECB, STR)~~ operating autonomously and in parallel, dispensable of a hierarchical system for a level higher than said subsystem,

wherein said subsystem ~~(PT, ECB, STR)~~ comprises
sensing means for sensing information related to an operation request with respect to
at least one of said subsystems ~~(PT, ECB, STR)~~,

connection means for connection with another subsystem other than its own
subsystem, and

generation means for generating information related to an individual control target of
its own subsystem based on said sensed information related to an operation request.

11. (Original) The vehicle integrated control system according to claim 10, wherein said generation means includes arbitration means for arbitrating a plurality of information to

generate information related to an individual control target of its own subsystem, based on said sensed information related to an operation request.

12. (Currently Amended) An integrated control system for vehicle control, comprising at least three subsystems ~~(PT, ECB, STR)~~ operating autonomously and in parallel, dispensable of a hierarchical system for a level higher than said subsystem,

wherein said subsystem ~~(PT, ECB, STR)~~ comprises

sensing means for sensing information related to an operation request with respect to at least one of said subsystems ~~(PT, ECB, STR)~~,

connection means for connection with another system other than its own subsystem, and

arbitration means for arbitrating a plurality of information to generate information related to an individual control target of its own subsystem, based on said sensed information related to an operation request,

said arbitration unit in said subsystem being connected between each of said subsystem, and

when arbitration information arbitrated at each said subsystem is transmitted to the arbitration unit of another subsystem, control is executed at said another subsystem based on said transmitted arbitration information.

13. (Currently Amended) The vehicle integrated control system according to claim 11 ~~or 12~~, wherein said arbitration means includes means for determining priority of information.

14. (Currently Amended) The vehicle integrated control system according to claim 11 ~~or 12~~, wherein said arbitration means includes means for correcting information.

15. (Currently Amended) The vehicle integrated control system according to claim 11 ~~or 12~~, wherein said arbitration means includes means for processing information.

16. (Currently Amended) The vehicle integrated control system according to ~~any of~~
~~claims 10-12~~claim 10, wherein said subsystem comprises a driving system control subsystem
(PT), a brake system control subsystem ~~(ECB)~~, and a steering system control subsystem
(STR).

17. (Original) The vehicle integrated control system according to claim 16, wherein
said subsystem further comprises an automatic cruise subsystem controlling said vehicle for
automatic cruising or pseudo automatic cruising of said vehicle.

18. (Previously Presented) The vehicle integrated control system according to claim
16, wherein said subsystem further comprises a dynamic stabilization subsystem controlling
said vehicle so as to stabilize a behavior state of said vehicle.